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 54430004.q -MASYGETLISCLT -AIAVAGAALLAG -GAEAQCLH -TCGGIDI
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 83603921.q AVGLNPYFNITCDDAVRPVPLKGD -PGMEAIVDLITLERGLTFLSYVCYTSSNSYYAS -LPGGIFVGGTQLPDRVGGAGHAGSGDDEYATCCTYCAESLADGAP
 72340001.q ATSLSSYFTTICNDTFCPPRPMVRD -LLSETEVIDISLGERVYVGPVSYICFSSN-TTIPEN -HTTGFTILEGTPFPVSPTRNRFMALICHDIIGIIGYMH -SNSNLYVACVSYCQSINST-SNGAP
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 19720008.q LSDG -FSLDCVRDTPQPLRLGPV -KQQQTIVRLVGLLHGKIRTINAIASQCLDAR -TCK-LVNTNTWEGLNAAALPYRFSDEDNRFFAVIQCNGVLLQQTAAAG
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 AK072627.q VYPF -GLSSSGCAMSPSEFVDCNNNTGNGVQKPFGLGYVELLSDIVQLSQARVIRTRIISSSCYNISTREMNP -DLWYVDLKDTPYRFSDSANKEFTIIICRTIAYIADODD
 83522760.q PYPF -GIGSDGDCALPFYNDCCNK -KPFYRDVEVLISIQLQGQIRVSTPISSSCYNFSSRMYMS -SGWGFNLSTYTFPMLSD -SNKFTIVCIRTOAYIADODD
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 54430006.q PFGLDPAC -ALPGFNLTCNIK -GDGKPYYYKDVELLNISLTEQVVRMRMHIANCYCNSTSGGMMNG -TGWSLNLTGTPFRLSDFCNKFTAIICRTIAYIADODD
 54430007.q -LTTGCVATCKADD -LRLRIPDG
 AK106614.q PFGLNGDAPGCALGHGTGQFNISNDTGNGVYKPFIWDVELLVLLPEGQARILMSISSYCYNPATGAMDOPEN -NTWALDFTSSPYRFSHTNQVFTAIICRTIAYIADODY
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N₁C₂FYAMVAEDGWYSF₃R₄D₅L₆V₇G₈L₉A₁₀Y₁₁N₁₂E₁₃T₁₄V₁₅D₁₆A₁₇G₁₈P₁₉V₂₀I₂₁D₂₂A₂₃W₂₄R₂₅D₂₆G₂₇W₂₈C₂₉P₃₀A₃₁E₃₂E₃₃A₃₄R₃₅R₃₆K₃₇Y₃₈A₃₉C₄₀S₄₁N₄₂S₄₃G₄₄C₄₅N₄₆S₄₇C₄₈G₄₉C₅₀E₅₁C₅₂N₅₃S₅₄G₅₅C₅₆S₅₇E₅₈C₅₉N₆₀Y₆₁P₆₂K₆₃G₆₄C₆₅Q₆₆Y₆₇W₆₈Y₆₉Q₇₀Q₇₁D₇₂L₇₃V₇₄G₇₅H₇₆L₇₇G₇₈R₇₉F₈₀V₈₁N₈₂G₈₃R₈₄N₈₅G₈₆R₈₇N₈₈A₈₉R₉₀N₉₁S₉₂N₉₃S₉₄Q₉₅S₉₆N₉₇Q₉₈S₉₉N₁₀₀Q₁₀₁S₁₀₂N₁₀₃Q₁₀₄S₁₀₅N₁₀₆Q₁₀₇S₁₀₈N₁₀₉Q₁₁₀S₁₁₁N₁₁₂Q₁₁₃S₁₁₄N₁₁₅Q₁₁₆S₁₁₇N₁₁₈Q₁₁₉S₁₂₀N₁₂₁Q₁₂₂S₁₂₃N₁₂₄Q₁₂₅S₁₂₆N₁₂₇Q₁₂₈S₁₂₉N₁₃₀Q₁₃₁S₁₃₂N₁₃₃Q₁₃₄S₁₃₅N₁₃₆Q₁₃₇S₁₃₈N₁₃₉Q₁₄₀S₁₄₁N₁₄₂Q₁₄₃S₁₄₄N₁₄₅Q₁₄₆S₁₄₇N₁₄₈Q₁₄₉S₁₅₀N₁₅₁Q₁₅₂S₁₅₃N₁₅₄Q₁₅₅S₁₅₆N₁₅₇Q₁₅₈S₁₅₉N₁₆₀Q₁₆₁S₁₆₂N₁₆₃Q₁₆₄S₁₆₅N₁₆₆Q₁₆₇S₁₆₈N₁₆₉Q₁₇₀S₁₇₁N₁₇₂Q₁₇₃S₁₇₄N₁₇₅Q₁₇₆S₁₇₇N₁₇₈Q₁₇₉S₁₈₀N₁₈₁Q₁₈₂S₁₈₃N₁₈₄Q₁₈₅S₁₈₆N₁₈₇Q₁₈₈S₁₈₉N₁₉₀Q₁₉₁S₁₉₂N₁₉₃Q₁₉₄S₁₉₅N₁₉₆Q₁₉₇S₁₉₈N₁₉₉Q₂₀₀S₂₀₁N₂₀₂Q₂₀₃S₂₀₄N₂₀₅Q₂₀₆S₂₀₇N₂₀₈Q₂₀₉S₂₁₀N₂₁₁Q₂₁₂S₂₁₃N₂₁₄Q₂₁₅S₂₁₆N₂₁₇Q₂₁₈S₂₁₉N₂₂₀Q₂₂₁S₂₂₂N₂₂₃Q₂₂₄S₂₂₅N₂₂₆Q₂₂₇S₂₂₈N₂₂₉Q₂₃₀S₂₃₁N₂₃₂Q₂₃₃S₂₃₄N₂₃₅Q₂₃₆S₂₃₇N₂₃₈Q₂₃₉S₂₄₀N₂₄₁Q₂₄₂S₂₄₃N₂₄₄Q₂₄₅S₂₄₆N₂₄₇Q₂₄₈S₂₄₉N₂₅₀Q₂₅₁S₂₅₂N₂₅₃Q₂₅₄S₂₅₅N₂₅₆Q₂₅₇S₂₅₈N₂₅₉Q₂₆₀S₂₆₁N₂₆₂Q₂₆₃S₂₆₄N₂₆₅Q₂₆₆S₂₆₇N₂₆₈Q₂₆₉S₂₇₀N₂₇₁Q₂₇₂S₂₇₃N₂₇₄Q₂₇₅S₂₇₆N₂₇₇Q₂₇₈S₂₇₉N₂₈₀Q₂₈₁S₂₈₂N₂₈₃Q₂₈₄S₂₈₅N₂₈₆Q₂₈₇S₂₈₈N₂₈₉Q₂₉₀S₂₉₁N₂₉₂Q₂₉₃S₂₉₄N₂₉₅Q₂₉₆S₂₉₇N₂₉₈Q₂₉₉S₃₀₀N₃₀₁Q₃₀₂S₃₀₃N₃₀₄Q₃₀₅S₃₀₆N₃₀₇Q₃₀₈S₃₀₉N₃₁₀Q₃₁₁S₃₁₂N₃₁₃Q₃₁₄S₃₁₅N₃₁₆Q₃₁₇S₃₁₈N₃₁₉Q₃₂₀S₃₂₁N₃₂₂Q₃₂₃S₃₂₄N₃₂₅Q₃₂₆S₃₂₇N₃₂₈Q₃₂₉S₃₃₀N₃₃₁Q₃₃₂S₃₃₃N₃₃₄Q₃₃₅S₃₃₆N₃₃₇Q₃₃₈S₃₃₉N₃₄₀Q₃₄₁S₃₄₂N₃₄₃Q₃₄₄S₃₄₅N₃₄₆Q₃₄₇S₃₄₈N₃₄₉Q₃₅₀S₃₅₁N₃₅₂Q₃₅₃S₃₅₄N₃₅₅Q₃₅₆S₃₅₇N₃₅₈Q₃₅₉S₃₆₀N₃₆₁Q₃₆₂S₃₆₃N₃₆₄Q₃₆₅S₃₆₆N₃₆₇Q₃₆₈S₃₆₉N₃₇₀Q₃₇₁S₃₇₂N₃₇₃Q₃₇₄S₃₇₅N₃₇₆Q₃₇₇S₃₇₈N₃₇₉Q₃₈₀S₃₈₁N₃₈₂Q₃₈₃S₃₈₄N₃₈₅Q₃₈₆S₃₈₇N₃₈₈Q₃₈₉S₃₉₀N₃₉₁Q₃₉₂S₃₉₃N₃₉₄Q₃₉₅S₃₉₆N₃₉₇Q₃₉₈S₃₉₉N₄₀₀Q₄₀₁S₄₀₂N₄₀₃Q₄₀₄S₄₀₅N₄₀₆Q₄₀₇S₄₀₈N₄₀₉Q₄₁₀S₄₁₁N₄₁₂Q₄₁₃S₄₁₄N₄₁₅Q₄₁₆S₄₁₇N₄₁₈Q₄₁₉S₄₂₀N₄₂₁Q₄₂₂S₄₂₃N₄₂₄Q₄₂₅S₄₂₆N₄₂₇Q₄₂₈S₄₂₉N₄₃₀Q₄₃₁S₄₃₂N₄₃₃Q₄₃₄S₄₃₅N₄₃₆Q₄₃₇S₄₃₈N₄₃₉Q₄₄₀S₄₄₁N₄₄₂Q₄₄₃S₄₄₄N₄₄₅Q₄₄₆S₄₄₇N₄₄₈Q₄₄₉S₄₅₀N₄₅₁Q₄₅₂S₄₅₃N₄₅₄Q₄₅₅S₄₅₆N₄₅₇Q₄₅₈S₄₅₉N₄₆₀Q₄₆₁S₄₆₂N₄₆₃Q₄₆₄S₄₆₅N₄₆₆Q₄₆₇S₄₆₈N₄₆₉Q₄₇₀S₄₇₁N₄₇₂Q₄₇₃S₄₇₄N₄₇₅Q₄₇₆S₄₇₇N₄₇₈Q₄₇₉S₄₈₀N₄₈₁Q₄₈₂S₄₈₃N₄₈₄Q₄₈₅S₄₈₆N₄₈₇Q₄₈₈S₄₈₉N₄₉₀Q₄₉₁S₄₉₂N₄₉₃Q₄₉₄S₄₉₅N₄₉₆Q₄₉₇S₄₉₈N₄₉₉Q₅₀₀S₅₀₁N₅₀₂Q₅₀₃S₅₀₄N₅₀₅Q₅₀₆S₅₀₇N₅₀₈Q₅₀₉S₅₁₀N₅₁₁Q₅₁₂S₅₁₃N₅₁₄Q₅₁₅S₅₁₆N₅₁₇Q₅₁₈S₅₁₉N₅₂₀Q₅₂₁S₅₂₂N₅₂₃Q₅₂₄S₅₂₅N₅₂₆Q₅₂₇S₅₂₈N₅₂₉Q₅₃₀S₅₃₁N₅₃₂Q₅₃₃S₅₃₄N₅₃₅Q₅₃₆S₅₃₇N₅₃₈Q₅₃₉S₅₄₀N₅₄₁Q₅₄₂S₅₄₃N₅₄₄Q₅₄₅S₅₄₆N₅₄₇Q₅₄₈S₅₄₉N₅₅₀Q₅₅₁S₅₅₂N₅₅₃Q₅₅₄S₅₅₅N₅₅₆Q₅₅₇S₅₅₈N₅₅₉Q₅₆₀S₅₆₁N₅₆₂Q₅₆₃S₅₆₄N₅₆₅Q₅₆₆S₅₆₇N₅₆₈Q₅₆₉S₅₇₀N₅₇₁Q₅₇₂S₅₇₃N₅₇₄Q₅₇₅S₅₇₆N₅₇₇Q₅₇₈S₅₇₉N₅₈₀Q₅₈₁S₅₈₂N₅₈₃Q₅₈₄S₅₈₅N₅₈₆Q₅₈₇S₅₈₈N₅₈₉Q₅₉₀S₅₉₁N₅₉₂Q₅₉₃S₅₉₄N₅₉₅Q₅₉₆S₅₉₇N₅₉₈Q₅₉₉S₆₀₀N₆₀₁Q₆₀₂S₆₀₃N₆₀₄Q₆₀₅S₆₀₆N₆₀₇Q₆₀₈S₆₀₉N₆₁₀Q₆₁₁S₆₁₂N₆₁₃Q₆₁₄S₆₁₅N₆₁₆Q₆₁₇S₆₁₈N₆₁₉Q₆₂₀S₆₂₁N₆₂₂Q₆₂₃S₆₂₄N₆₂₅Q₆₂₆S₆₂₇N₆₂₈Q₆₂₉S₆₃₀N₆₃₁Q₆₃₂S₆₃₃N₆₃₄Q₆₃₅S₆₃₆N₆₃₇Q₆₃₈S₆₃₉N₆₄₀Q₆₄₁S₆₄₂N₆₄₃Q₆₄₄S₆₄₅N₆₄₆Q₆₄₇S₆₄₈N₆₄₉Q₆₅₀S₆₅₁N₆₅₂Q₆₅₃S₆₅₄N₆₅₅Q₆₅₆S₆₅₇N₆₅₈Q₆₅₉S₆₆₀N₆₆₁Q₆₆₂S₆₆₃N₆₆₄Q₆₆₅S₆₆₆N₆₆₇Q₆₆₈S₆₆₉N₆₇₀Q₆₇₁S₆₇₂N₆₇₃Q₆₇₄S₆₇₅N₆₇₆Q₆₇₇S₆₇₈N₆₇₉Q₆₈₀S₆₈₁N₆₈₂Q₆₈₃S₆₈₄N₆₈₅Q₆₈₆S₆₈₇N₆₈₈Q₆₈₉S₆₉₀N₆₉₁Q₆₉₂S₆₉₃N₆₉₄Q₆₉₅S₆₉₆N₆₉₇Q₆₉₈S₆₉₉N₇₀₀Q₇₀₁S₇₀₂N₇₀₃Q₇₀₄S₇₀₅N₇₀₆Q₇₀₇S₇₀₈N₇₀₉Q₇₁₀S₇₁₁N₇₁₂Q₇₁₃S₇₁₄N₇₁₅Q₇₁₆S₇₁₇N₇₁₈Q₇₁₉S₇₂₀N₇₂₁Q₇₂₂S₇₂₃N₇₂₄Q₇₂₅S₇₂₆N₇₂₇Q₇₂₈S₇₂₉N₇₃₀Q₇₃₁S₇₃₂N₇₃₃Q₇₃₄S₇₃₅N₇₃₆Q₇₃₇S₇₃₈N₇₃₉Q₇₄₀S₇₄₁N₇₄₂Q₇₄₃S₇₄₄N₇₄₅Q₇₄₆S₇₄₇N₇₄₈Q₇₄₉S₇₅₀N₇₅₁Q₇₅₂S₇₅₃N₇₅₄Q₇₅₅S₇₅₆N₇₅₇Q₇₅₈S₇₅₉N₇₆₀Q₇₆₁S₇₆₂N₇₆₃Q₇₆₄S₇₆₅N₇₆₆Q₇₆₇S₇₆₈N₇₆₉Q₇₇₀S₇₇₁N₇₇₂Q₇₇₃S₇₇₄N₇₇₅Q₇₇₆S₇₇₇N₇₇₈Q₇₇₉S₇₈₀N₇₈₁Q₇₈₂S₇₈₃N₇₈₄Q₇₈₅S₇₈₆N₇₈₇Q₇₈₈S₇₈₉N₇₉₀Q₇₉₁S₇₉₂N₇₉₃Q₇₉₄S₇₉₅N₇₉₆Q₇₉₇S₇₉₈N₇₉₉Q₈₀₀S₈₀₁N₈₀₂Q₈₀₃S₈₀₄N₈₀₅Q₈₀₆S₈₀₇N₈₀₈Q₈₀₉S₈₀₁₀N₈₀₁₁Q₈₀₁₂S₈₀₁₃N₈₀₁₄Q₈₀₁₅S₈₀₁₆N₈₀₁₇Q₈₀₁₈S₈₀₁₉N₈₀₂₀Q₈₀₂₁S₈₀₂₂N₈₀₂₃Q₈₀₂₄S₈₀₂₅N₈₀₂₆Q₈₀₂₇S₈₀₂₈N₈₀₂₉Q₈₀₃₀S₈₀₃₁N₈₀₃₂Q₈₀₃₃S₈₀₃₄N₈₀₃₅Q₈₀₃₆S₈₀₃₇N₈₀₃₈Q₈₀₃₉S₈₀₄₀N₈₀₄₁Q₈₀₄₂S₈₀₄₃N₈₀₄₄Q₈₀₄₅S₈₀₄₆N₈₀₄₇Q₈₀₄₈S₈₀₄₉N₈₀₅₀Q₈₀₅₁S₈₀₅₂N₈₀₅₃Q₈₀₅₄S₈₀₅₅N₈₀₅₆Q₈₀₅₇S₈₀₅₈N₈₀₅₉Q₈₀₆₀S₈₀₆₁N₈₀₆₂Q₈₀₆₃S₈₀₆₄N₈₀₆₅Q₈₀₆₆S₈₀₆₇N₈₀₆₈Q₈₀₆₉S₈₀₇₀N₈₀₇₁Q₈₀₇₂S₈₀₇₃N₈₀₇₄Q₈₀₇₅S₈₀₇₆N₈₀₇₇Q₈₀₇₈S₈₀₇₉N₈₀₈₀Q₈₀₈₁S₈₀₈₂N₈₀₈₃Q₈₀₈₄S₈₀₈₅N₈₀₈₆Q₈₀₈₇S₈₀₈₈N₈₀₈₉Q₈₀₉₀S₈₀₉₁N₈₀₉₂Q₈₀₉₃S₈₀₉₄N₈₀₉₅Q₈₀₉₆S₈₀₉₇N₈₀₉₈Q₈₀₉₉S₈₀₁₀₀N₈₀₁₀₁Q₈₀₁₀₂S₈₀₁₀₃N₈₀₁₀₄Q₈₀₁₀₅S₈₀₁₀₆N₈₀₁₀₇Q₈₀₁₀₈S₈₀₁₀₉N₈₀₁₁₀Q₈₀₁₁₁S₈₀₁₁₂N₈₀₁₁₃Q₈₀₁₁₄S₈₀₁₁₅N₈₀₁₁₆Q₈₀₁₁₇S₈₀₁₁₈N₈₀₁₁₉Q₈₀₁₂₀S₈₀₁₂₁N₈₀₁₂₂Q₈₀₁₂₃S₈₀₁₂₄N₈₀₁₂₅Q₈₀₁₂₆S₈₀₁₂₇N₈₀₁₂₈Q₈₀₁₂₉S₈₀₁₃₀N₈₀₁₃₁Q₈₀₁₃₂S₈₀₁₃₃N₈₀₁₃₄Q₈₀₁₃₅S₈₀₁₃₆N₈₀₁₃₇Q₈₀₁₃₈S₈₀₁₃₉N₈₀₁₄₀Q₈₀₁₄₁S₈₀₁₄₂N₈₀₁₄₃Q₈₀₁₄₄S₈₀₁₄₅N₈₀₁₄₆Q₈₀₁₄₇S₈₀₁₄₈N₈₀₁₄₉Q₈₀₁₅₀S₈₀₁₅₁N₈₀₁₅₂Q₈₀₁₅₃S₈₀₁₅₄N₈₀₁₅₅Q₈₀₁₅₆S₈₀₁₅₇N₈₀₁₅₈Q₈₀₁₅₉S₈₀₁₆₀N₈₀₁₆₁Q₈₀₁₆₂S₈₀₁₆₃N₈₀₁₆₄Q₈₀₁₆₅S₈₀₁₆₆N₈₀₁₆₇Q₈₀₁₆₈S₈₀₁₆₉N₈₀₁₇₀Q₈₀₁₇₁S₈₀₁₇₂N₈₀₁₇₃Q₈₀₁₇₄S₈₀₁₇₅N₈₀₁₇₆Q₈₀₁₇₇S₈₀₁₇₈N₈₀₁₇₉Q₈₀₁₈₀S₈₀₁₈₁N₈₀₁₈₂Q₈₀₁₈₃S₈₀₁₈₄N₈₀₁₈₅Q₈₀₁₈₆S₈₀₁₈₇N₈₀₁₈₈Q₈₀₁₈₉S₈₀₁₉₀N₈₀₁₉₁Q₈₀₁₉₂S₈₀₁₉₃N₈₀₁₉₄Q₈₀₁₉₅S₈₀₁₉₆N₈₀₁₉₇Q₈₀₁₉₈S₈₀₁₉₉N₈₀₂₀₀Q₈₀₂₀₁S₈₀₂₀₂N₈₀₂₀₃Q₈₀₂₀₄S₈₀₂₀₅N₈₀₂₀₆Q₈₀₂₀₇S₈₀₂₀₈N₈₀₂₀₉Q₈₀₂₁₀S₈₀₂₁₁N₈₀₂₁₂Q₈₀₂₁₃S₈₀₂₁₄N₈₀₂₁₅Q₈₀₂₁₆S₈₀₂₁₇N₈₀₂₁₈Q₈₀₂₁₉S₈₀₂₂₀N₈₀₂₂₁Q₈₀₂₂₂S₈₀₂₂₃N₈₀₂₂₄Q₈₀₂₂₅S₈₀₂₂₆N₈₀₂₂₇Q₈₀₂₂₈S₈₀₂₂₉N₈₀₂₃₀Q₈₀₂₃₁S₈₀₂₃₂N₈₀₂₃₃Q₈₀₂₃₄S₈₀₂₃₅N₈₀₂₃₆Q₈₀₂₃₇S₈₀₂₃₈N₈₀₂₃₉Q₈₀₂₄₀S₈₀₂₄₁N₈₀₂₄₂Q₈₀₂₄₃S₈₀₂₄₄N₈₀₂₄₅Q₈₀₂₄₆S₈₀₂₄₇N₈₀₂₄₈Q₈₀₂₄₉S₈₀₂₅₀N₈₀₂₅₁Q₈₀₂₅₂S₈₀₂₅₃N₈₀₂₅₄Q₈₀₂₅₅S₈₀₂₅₆N₈₀₂₅₇Q₈₀₂₅₈S₈₀₂₅₉N₈₀₂₆₀Q₈₀₂₆₁S₈₀₂₆₂N₈₀₂₆₃Q₈₀₂₆₄S₈₀₂₆₅N₈₀₂₆₆Q₈₀₂₆₇S₈₀₂₆₈N₈₀₂₆₉Q₈₀₂₇₀S₈₀₂₇₁N₈₀₂₇₂Q₈₀₂₇₃S₈₀₂₇₄N₈₀₂₇₅Q₈₀₂₇₆S₈₀₂₇₇N₈₀₂₇₈Q₈₀₂₇₉S₈₀₂₈₀N₈₀₂₈₁Q₈₀₂₈₂S₈₀₂₈₃N₈₀₂₈₄Q₈₀₂₈₅S₈₀₂₈₆N₈₀₂₈₇Q₈₀₂₈₈S₈₀₂₈₉N₈₀₂₉₀Q₈₀₂₉₁S₈₀₂₉₂N₈₀₂₉₃Q₈₀₂₉₄S₈₀₂₉₅N₈₀₂₉₆Q₈₀₂₉₇S₈₀₂₉₈N₈₀₂₉₉Q₈₀₃₀₀S₈₀₃₀₁N₈₀₃₀₂Q₈₀₃₀₃S₈₀₃₀₄N₈₀₃₀₅Q₈₀₃₀₆S₈₀₃₀₇N₈₀₃₀₈Q₈₀₃₀₉S₈₀₃₁₀N₈₀₃₁₁Q₈₀₃₁₂S₈₀₃₁₃N₈₀₃₁₄Q₈₀₃₁₅S₈₀₃₁₆N₈₀₃₁₇Q₈₀₃₁₈S₈₀₃₁₉N₈₀₃₂₀Q₈₀₃₂₁S₈₀₃₂₂N₈₀₃₂₃Q₈₀₃₂₄S₈₀₃₂₅N₈₀₃₂₆Q₈₀₃₂₇S₈₀₃₂₈N₈₀₃₂₉Q₈₀₃₃₀S₈₀₃₃₁N₈₀₃₃₂Q₈₀₃₃₃S₈₀₃₃₄N₈₀₃₃₅Q₈₀₃₃₆S₈₀₃₃₇N₈₀₃₃₈Q₈₀₃₃₉S₈₀₃₄₀N₈₀₃₄₁Q₈₀₃₄₂S₈₀₃₄₃N₈₀₃₄₄Q₈₀₃₄₅S₈₀₃₄₆N₈₀₃₄₇Q₈₀₃₄₈S₈₀₃₄₉N₈₀₃₅₀Q₈₀₃₅₁S₈₀₃₅₂N₈₀₃₅₃Q₈₀₃₅₄S₈₀₃₅₅N₈₀₃₅₆Q₈₀₃₅₇S₈₀₃₅₈N₈₀₃₅₉Q₈₀₃₆₀S₈₀₃₆₁N₈₀₃₆₂Q₈₀₃₆₃S₈₀₃₆₄N₈₀₃₆₅Q₈₀₃₆₆S₈₀₃₆₇N₈₀₃₆₈Q₈₀₃₆₉S₈₀₃₇₀N₈₀₃₇₁Q₈₀₃₇₂S₈₀₃₇₃N₈₀₃₇₄Q₈₀₃₇₅S₈₀₃₇₆N₈₀₃₇₇Q₈₀₃₇₈S₈₀₃₇₉N₈₀₃₈₀Q₈₀₃₈₁S₈₀₃₈₂N₈₀₃₈₃Q₈₀₃₈₄S₈₀₃₈₅N₈₀₃₈₆Q₈₀₃₈₇S₈₀₃₈₈N₈₀₃₈₉Q₈₀₃₉₀S₈₀₃₉₁N₈₀₃₉₂Q₈₀₃₉₃S₈₀₃₉₄N₈₀₃₉₅Q₈₀₃₉₆S₈₀₃₉₇N₈₀₃₉₈Q₈₀₃₉₉S₈₀₄₀₀N₈₀₄₀₁Q₈₀₄₀₂S₈₀₄₀₃N₈₀₄₀₄Q₈₀₄₀₅S₈₀₄₀₆N₈₀₄₀₇Q₈₀₄₀₈S₈₀₄₀₉N₈₀₄₁₀Q₈₀₄₁₁S₈₀₄₁₂N₈₀₄₁₃Q₈₀₄₁₄S₈₀₄₁₅N₈₀₄₁₆Q₈₀₄₁₇S₈₀₄₁₈N₈₀₄₁₉Q₈₀₄₂₀S₈₀₄₂₁N₈₀₄₂₂Q₈₀₄₂₃S₈₀₄₂₄N₈₀₄₂₅Q₈₀₄₂₆S₈₀₄₂₇N₈₀₄₂₈Q₈₀₄₂₉S₈₀₄₃₀N₈₀₄₃₁Q₈₀₄₃₂S₈₀₄₃₃N₈₀₄₃₄Q₈₀₄₃₅S₈₀₄₃₆N₈₀₄₃₇Q₈₀₄₃₈S₈₀₄₃₉N₈₀₄₄₀Q₈₀₄₄₁S₈₀₄₄₂N₈₀₄₄₃Q₈₀₄₄₄S₈₀₄₄₅N₈₀₄₄₆Q₈₀₄₄₇S₈₀₄₄₈N₈₀₄₄₉Q₈₀₄₅₀S₈₀₄₅₁

2010 2020 2030 2040 2050 2060 2070 2080 2090 2100 2110 2120 2130 2140 2150 2160 2170 2180 2190 22

83603916.q DDDASCSSGGQQRSLSTAFIALRGDFWVLDRETVRRPDDGGDDKLAVIDVVRLAELARCLGPGDERPAMKEVAEVLQVRRRAEMRAGACRDGSNGEVDRSWIMCGGGGGAVGR~GHLDINTTAS~YQSSETDRMPLTLSVNLDLAR-

83603921.q DDGGGGGGSGEPRSLSTELAASSRGPFWVRVVDRIDIMDGD~VDAVVRRELARVAECCMARGPERPAMKEVAEVLQVRRVEEMEAAGVEVVDG~FNGGG~LVGRGHGLDTTTTTSYYQSSETDKLQLDVDDLVR-

72340001.D DTEN~GNEALSHIPPLMF~KRCOMMLDPMT~DPEV~MVNLVLL~ELAMH~CIN~PDRP~TMKEVAPRLQMLRLLHQMLVSKSSPTR~VSCS~YEG~SSMRIPSDPM~KYQSSETAKLVLDAIAR~

AK067120.D NDPN~KNEVWQIS~PEESLSY~FLLMFDONIHRNMLDEIM~DKETMVLEKLISILANCLR~RCDDRPTMKEVAECLOMIRRHMPHAASDHKGDSAAHN~YEGSS~SPMSAHFDET~IVKSNEARLVCDDLVR~

NSIN~PEESLSY~FLLMFDONIHRNMLDEIM~DKETMVLEKLISILANCLR~RCDDRPTMKEVDECLOMIRRHMPHGASDHKGDSYAHN~YEG~SPSMVHLNBT~IVESSETRLVDDLVR~

56500002.D HDGDG~PEESLAGSFLRAMEEEPVENILDLSAG~ASMEAPALL~EVAKVGSMSLCAK~E~SMAEVDMLKA~VRIAN~RDLLVSSEYNVTEVFV~DSSE~APPSGN~SSAV~FNTPDQM5LSE~ETLIR~

AK100387.D ENTE~DKKLSLASF~TALAKENRDEILLDRNITLG~VGTE~LFODV~OAKCCLSTIKGDRP~PIMKEVAEVLQK~H~KAI~ST~W~RE~Q~L~E~G~E~V~C~L~L~E~N~S~SQYDPSSTGRHGS~L~M~A~L~D~E~T~G~R~

48970005.D DGPE~DPRSLVSCFTTA~V~K~G~R~E~D~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~

83550632.D DGPE~DPRSLVSCFTTA~V~K~G~R~E~D~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~

24770012.D DGPE~DPRSLVSCFTTA~V~K~G~R~E~D~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~

24770010.D DGPE~DPRSLVSCFTTA~V~K~G~R~E~D~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~

24770014.D DGPE~DPRSLVSCFTTA~V~K~G~R~E~D~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~

24770020.D GGS~DPRSLVSCFTTA~V~K~G~R~E~D~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~

83562363.G AAGSQDDDDDD~DPRSLAFFELIAK~G~R~E~D~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~

56620005.D DAPE~NEKSLSMRFLSAMGENKIDENILDQD~S~NNENMF~L~P~V~D~V~D~L~K~O~C~L~A~C~G~D~P~R~P~S~M~K~E~V~A~R~L~K~O~L~K~V~N~C~H~P~W~T~Q~Q~N~P~E~E~L~S~L~G~E~S~S~Y~I~S~LLGMEQNNAN~Y~L~R~Q~D~V~L~G~E~B~G~N~A~Y~T~F~S~

56620007.D DAPG~NEKSLSMRFLSAMGENKIDENILDQD~S~NNENMF~L~P~V~D~V~D~L~K~O~C~L~A~C~G~D~P~R~P~S~M~K~E~V~A~R~L~K~O~L~K~V~N~C~H~P~W~T~Q~Q~N~P~E~E~L~S~L~G~E~S~S~Y~I~S~LLGIECRN~N~Y~L~K~Q~H~V~D~L~G~E~G~S~T~Y~T~F~S~

83571750.D ENKEEDMLNQIK~ENKEEDMLNQIK~ENNEBNEF~E~B~L~A~R~K~C~L~D~M~S~I~N~R~P~S~M~K~E~I~G~D~P~L~K~O~L~K~V~N~C~H~P~W~T~Q~Q~N~P~E~E~L~S~L~G~E~S~S~Y~I~V~N~D~S~T~G~Y~Q~E~P~G~T~K~A~S~S~V~A~V~S~A~F~E~Q~V~Y~R~H~S~P~R~W~S~A~A~

56620010.D ESPE~DERSLAMF~L~C~M~E~K~R~E~D~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~

56620003.D DALE~NEKSLSMRFLSAMGENKIDENILDQD~S~NNENMF~L~P~V~D~V~D~L~A~O~C~L~E~S~G~V~N~R~P~S~M~K~E~I~A~L~N~D~R~P~R~K~V~N~C~H~P~W~A~E~G~N~S~E~E~L~S~L~G~E~S~S~M~V~S~STVENTQN~P~I~N~S~E~L~Q~O~C~E~I~E~S~R~

AK071360.D NAPE~HEKSLSMRFLFINAMKNNKIDENILDQD~S~NNENMF~L~P~V~D~V~D~L~A~O~C~L~E~S~G~V~N~R~P~S~M~K~E~I~A~L~N~D~R~P~R~K~V~N~C~H~P~W~A~E~G~N~S~E~E~L~S~L~G~E~S~S~M~V~S~RYTSTGN~P~I~E~R~K~G~V~M~E~D~S~G~R~

83540631.D EGPE~NEKSLSMRFLSAMGENKIDENILDQD~S~NNENMF~L~P~V~D~V~D~L~A~O~C~L~E~S~G~V~N~R~P~S~M~K~E~I~A~L~N~D~R~P~R~K~V~N~C~H~P~W~A~E~G~N~S~E~E~L~S~L~G~E~S~S~M~V~S~LEMVSTGN~P~I~E~R~K~G~V~M~E~D~S~G~R~

AK062011.D DGLE~DEKSLSVF~L~S~G~V~E~D~E~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~

43620004.D QALE~BCKNLSSE~F~L~A~L~E~B~N~R~E~D~I~L~D~Q~I~S~SP~S~I~E~L~I~P~Q~M~A~D~L~A~K~O~C~L~D~M~S~S~E~R~P~S~M~R~Q~A~B~E~D~L~R~P~R~K~L~B~E~H~P~W~G~R~E~S~E~E~L~K~L~I~V~R~G~P~S~T~F~S~EIELSNG~Y~V~S~L~T~D~S~A~Y~L~G~Q~S~P~F~R~

43620002.D BCKVLSSE~F~L~A~L~E~B~N~R~E~D~I~L~D~Q~I~S~SP~S~I~E~L~I~P~Q~M~A~D~L~A~K~O~C~L~D~M~S~S~E~R~P~S~M~R~Q~A~B~E~D~L~R~P~R~K~L~B~E~H~P~W~G~Q~N~S~E~L~A~I~L~G~G~S~P~S~M~A~D~SDQIELSTSTRNIS~F~S~D~T~T~A~I~G~Y~R~F~S~P~R~

27680020.D EGPE~IOKSLSS~F~L~A~L~E~B~N~R~E~D~I~L~D~Q~I~S~D~H~E~S~M~L~L~S~G~L~A~I~K~K~C~L~D~I~C~S~D~N~R~P~S~M~K~E~V~S~B~E~L~R~I~R~K~F~K~H~P~W~I~Q~R~D~T~E~I~E~S~L~P~G~P~S~T~N~L~E~T~E~S~Y~L~G~S~P~S~TSNFIEI~N~T~E~Y~R~K~D~E~E~M~P~I~P~S~T~S~Y~F~I~R~

27680008.D EGSE~LOKSLSS~F~L~A~L~E~B~N~R~E~D~I~L~D~Q~I~S~G~H~E~S~M~L~L~S~G~L~A~I~K~K~C~L~D~I~C~S~E~N~R~P~S~M~K~E~V~A~E~L~R~I~R~K~L~B~E~H~P~W~I~Q~R~D~T~E~G~Y~L~S~P~G~S~TSNFIEI~N~T~E~Y~R~K~D~E~E~M~P~I~P~S~T~S~Y~F~I~R~N~F~I~E~Q~S~T~E~Y~R~K~D~E~B~M~P~I~P~S~T~S~Y~F~I~R~

53270013.D EGPA~IOKSLSS~F~L~A~L~E~B~N~R~E~D~I~L~D~Q~I~S~D~H~E~S~M~L~L~S~G~L~A~I~K~K~C~L~D~I~C~S~E~N~R~P~S~M~K~E~V~A~E~L~R~I~R~K~L~B~E~H~P~W~I~Q~R~D~T~E~G~Y~L~S~P~G~S~S~G~L~E~I~E~T~S~S~T~G~Y~L~G~E~E~R~N~E~L~P~I~P~G~S~T~Y~Y~A~R~

19720017.D DGPE~DPRSLAF~L~A~L~E~B~N~R~E~D~I~L~D~Q~V~K~S~P~E~S~G~L~L~E~D~I~I~L~A~E~C~L~O~C~G~D~P~R~P~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~SF~F~V~D~A~T~S~S~G~Y~

19720008.D DGPE~DPRSLAF~L~A~L~E~B~N~R~E~D~I~L~D~Q~V~K~S~P~E~S~G~L~L~E~D~I~I~L~A~E~C~L~O~C~G~D~P~R~P~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~T~Q~D~V~V~E~R~C~R~L~S~D~S~P~E~S~I~Y~L~S~A~R~Y~T~T~G~S~F~

82730012.D DGS~DPRSLAF~L~A~L~E~B~N~R~E~D~I~L~D~Q~V~K~S~P~E~S~G~L~L~E~D~I~I~L~A~E~C~L~O~C~G~D~P~R~P~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~T~Q~D~V~E~E~A~R~C~L~H~G~S~P~S~G~V~Y~L~E~K~K~A~V~L~S~F~E~P~R~

AK072627.D DPKSLTLMFQ~P~A~M~N~G~L~O~D~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~S~G~A~Y~L~E~K~K~A~V~L~S~F~E~P~R~

83522760.D DPKSLTLMFQ~P~A~M~N~G~L~O~D~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~G~Y~L~D~N~K~A~V~L~S~T~F~P~R~

54430004.D PKT~L~A~M~F~Q~A~M~D~G~T~H~E~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~T~G~V~Y~L~E~K~K~T~V~M~S~F~E~P~R~

82730022.D DPKSLTSMFQ~P~A~M~N~G~L~O~D~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~S~G~V~A~N~L~E~K~K~A~V~L~S~T~G~F~P~R~

83522754.D DPKSLTSMFQ~P~A~M~N~G~L~O~D~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~N~G~V~Y~L~S~K~K~A~V~L~S~T~F~P~R~

54430017.D PFKT~L~A~M~F~Q~A~M~D~G~T~H~E~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~T~G~V~Y~L~E~K~N~V~R~L~C~S~F~I~T~

83522762.D PFKT~L~A~M~F~Q~A~M~D~G~T~H~E~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~S~G~V~N~L~E~N~V~V~V~L~S~T~F~P~R~

83522737.D PFKT~L~A~M~F~Q~A~M~D~G~T~H~E~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~T~Y~F~I~T~G~I~T~

54430013.D QKVSLSA~F~Q~A~M~R~G~L~F~E~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~G~Y~D~L~R~V~A~M~S~I~F~P~R~

54430006.D QKVSLSA~F~Q~A~M~R~G~L~F~E~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~G~Y~N~L~R~S~V~A~M~S~I~F~P~R~

54430007.D QKVSLSA~F~Q~A~M~R~G~L~F~E~L~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~T~M~E~Y~D~S~R~K~T~S~M~G~I~F~P~R~

AK106614.D NEV~S~L~A~S~F~Q~A~M~K~G~N~I~D~H~L~D~E~L~H~D~P~M~L~D~S~V~R~N~E~S~A~M~L~P~I~T~Y~L~M~R~C~I~S~M~P~P~R~P~T~M~K~E~V~A~R~L~E~M~P~R~Q~H~W~A~E~A~D~N~A~E~E~I~E~S~L~L~G~R~Q~N~A~Y~L~E~Q~O~N~V~L~Y~E~G~R~N~Y~T~F~S~

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